CLAIMS

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- 1. A medical tubing pump comprising a pump wheel (6) having a circumference and a front side perpendicular to the wheel axis, two tubing insertion locations (20, 22) for insertion of a pump tubing such that the tubing wraps around the pump wheel (6), and a stationary protective ring (12) surrounding the entire circumference of the pump wheel (6) at the front side of the wheel for covering the inserted pump tubing.
- 2. The medical tubing pump according to claim 1, wherein the protective ring (12) directly borders the pump wheel (6) without contact over the entire circumference of the pump wheel (6).
- 3. The medical tubing pump according to claim 1, wherein the protective ring (12) extends essentially flush to the front side of the pump wheel (6).
- 4. The medical tubing pump according to claim 1, wherein the protective ring comprises a front plate which covers the front side of the pump wheel (6) and extends radially outwardly beyond the circumference of the pump wheel (6).
- 5. The medical tubing pump according to claim 1, wherein the protective ring (12) forms a sub-assembly with the tube insertion locations (20, 22).
- 6. The medical tubing pump according to claim 5, wherein the protective ring (12) is formed as one piece with the tubing insertion locations (20, 22).
- 7. The medical tubing pump according to claim 6, wherein the one piece is made of plastic.
- 8. The medical tubing pump according to claim 1, wherein the protective ring (12) is part of a cage (10) surrounding the pump wheel.
- 9. The medical tubing pump according to claim 8, wherein the cage (10) comprises a rear ring (16) which circumferentially surrounds the pump wheel (6) and bears on a front plate (2) of a pump housing, and wherein the rear ring (16) is spaced from the protective ring (12) by an amount at least equal to a diameter of the pump tubing to be inserted.
- 10. The medical tubing pump according to claim 9, wherein the spacing between the protective ring (12) and the rear ring (16) forms a gap (18) for accommodating the pump tubing, wherein the gap (18) extends along a section of the wheel circumference and the gap is continuous in a radial direction of the rings from the wheel circumference to outside the cage.

- 11. The medical tubing pump according to claim 9, wherein the protective ring (12) and the rear ring (16) of the cage (10) are connected to one another in a region of the tubing insertion locations (20, 22).
- 12. The medical tubing pump according to claim 1, wherein at least one tubing insertion
 location (20) comprises a receptacle for a sensor system.
 - 13. The medical tubing pump according to claim 1, wherein the protective ring (12) has a radial extension which is at least equal to a diameter of the pump tubing.